

ABSTRACT

In general, egg farmers in Indonesia do manual counting and egg selection. The monitoring system is a monitoring system that aims to monitor all activities or activities that occur. The implementation of a monitoring system, one of which is used to measure, examine or evaluate an object that is considered important. In this case the object to be monitored is eggs. Egg-o-Matic is an integrated internet of things (IOT) automatic egg counting system. This system is designed using infrared sensors (IR), node MCUesp8266, realtime clock (RTC) modules, databases, and website monitoring. This system can help farmers to find out the number of eggs produced by laying hens every day automatically, without having to do calculations manually.

Keywords: internet of things (IoT), infrared, nodeMCUesp8266, realtime clock, database